

What is claimed is:

1. A machine-readable storage medium containing musical score displaying data, said musical score displaying data comprising:

data of note or musical score information indicative of a note or musical score symbol to be visually displayed;

data of position information indicative of a display position on a musical staff where the note or musical score symbol is to be placed; and

data of attribute information designating any one of a plurality of musical stave rows where the note or musical score symbol is to be displayed,

whereby note or musical score symbols of a same performance part can be displayed across a plurality of musical stave rows, in accordance with designation by the attribute information, in an apparatus arranged to use the musical score displaying data by reading out the musical score displaying data from said storage medium.

2. A machine-readable storage medium as claimed in claim 1 wherein said musical score displaying data for a music piece include a group of event data representative of note or musical score symbols of the music piece,

the data of the note information and the data of the position information are included in normal event data of a note or musical score symbol, and

the data of the attribute information is imparted, as attribute event data, to the normal event data of a corresponding note or musical score symbol.

3. A machine-readable storage medium as claimed in claim 1 wherein said musical score displaying data for a music piece include a group of event data representative of a note or musical score symbol of the music piece,

the data of the note information and the data of the position information are included in normal event data of note or musical score symbols, and

the data of the attribute information is included in normal event data of a corresponding note or musical score symbol.

4. A musical score display apparatus for displaying a musical score on the basis of musical score displaying data, said musical score displaying data comprising:

data of note or musical score information indicative of a note or musical score symbol to be visually displayed;

data of position information indicative of a display position on a musical score where the note or musical score symbol is to be placed; and

data of attribute information designating any one of a plurality of musical stave rows where the note or musical score symbol is to be displayed,

wherein said musical score display apparatus comprises:

a display section; and

a processing section coupled with said display section and adapted to:

determine a note or musical score symbol to be displayed on a musical score, in accordance with the note or musical score information;

determine a display position on the musical score where the note or musical score symbol is to be placed, in accordance with the position information; and

determine any one of a plurality of musical stave rows where the note or musical score symbol is to be displayed, in accordance with the attribute information, and

wherein said display section displays the note or musical score symbol on a musical score in accordance with determination by said processing section, whereby note or musical score symbols of a same performance part can be displayed across a plurality of musical stave rows in accordance with designation by the attribute information.

5. A musical score display apparatus as claimed in claim 4 wherein, when note or musical score symbols of a same performance part are to be displayed across a plurality of musical stave rows, in accordance with the designation by the attribute information and a given musical score symbol is to be displayed with the plurality of note marks to be displayed across the plurality of musical stave rows, the given musical score symbol is displayed across the plurality of

musical stave rows along with the plurality of note marks.

6. A musical score display apparatus as claimed in claim 4 wherein said musical score displaying data are stored in a memory, and said processing section reads out the musical score displaying data from the memory and performs processing in accordance with the note or musical score information, the position information or the attribute information included in the read-out musical score displaying data.

7. A musical score display apparatus as claimed in claim 4 which further comprises an interface section via which to receive the musical score displaying data from outside said musical score display apparatus, and

where said processing section performs processing on the basis of the musical score displaying data received via said interface section.

8. A computer program containing a group of instructions for causing a computer to perform musical score display processing based on musical score displaying data, said musical score displaying data comprising:

data of note or musical score information indicative of a note or musical score symbol to be visually displayed;

data of position information indicative of a display position on a musical score where the note or musical score symbol is to be

placed; and

data of attribute information designating any one of a plurality of musical stave rows where the note or musical score symbol is to be displayed,

wherein said musical score display processing comprises:

a step of determining a note or musical score symbol to be displayed on a musical score, in accordance with the note or musical score information;

a step of determining a display position on the musical score where the note or musical score symbol is to be placed, in accordance with the position information; and

a step of determining any one of a plurality of musical stave rows where the note or musical score symbol is to be displayed, in accordance with the attribute information, whereby note or musical score symbols of a same performance part can be displayed across different musical stave rows.

9. A computer program as claimed in claim 8 wherein said musical score display processing further comprises a step of displaying the note or musical score symbol on a musical stave visually shown on a display section.

10. A machine-readable storage medium containing musical score displaying data, said musical score displaying data comprising:

data of note or musical score information indicative of a note or musical score symbol to be visually displayed;

data of timing information indicative of a horizontal display position on a musical score where the note or musical score symbol is to be placed; and

data of attribute information designating a horizontal offset display position relative to the display position indicated by the timing information,

whereby a horizontal display position, on a musical score, of a note or musical score symbol can be varied, in accordance with designation by the attribute information, in an apparatus arranged to use the musical score displaying data by reading out the musical score displaying data from said storage medium.

11. A machine-readable storage medium containing musical score displaying data, said musical score displaying data comprising:

data of note or musical score information indicative of a note or musical score symbol to be visually displayed;

data of position information indicative of a display position on a musical score where the note or musical score symbol is to be placed;

data of attribute information designating a vertical offset display position relative to a specific display position,

whereby a vertical display position, on a musical score, of a musical score symbol can be varied, in accordance with designation by the attribute information, in an apparatus arranged to use the musical score displaying data by reading out the musical score displaying data from said storage medium.

12. A machine-readable storage medium containing musical score displaying data, said musical score displaying data comprising:

data of note or musical score information indicative of a note or musical score symbol to be visually displayed;

data of timing information indicative of a horizontal display position on a musical score where the note or musical score symbol is to be placed;

data of first attribute information designating a horizontal offset display position relative to the display position indicated by the timing information; and

data of second attribute information designating a vertical offset display position relative to a specific display position,

whereby a horizontal display position, on a musical score, of a note or musical score symbol can be varied, in accordance with designation by said first attribute information and a vertical display position, on a musical score, of a musical score symbol can be varied, in accordance with designation by said second attribute information, in an apparatus arranged to use the musical score displaying data by reading out the musical score displaying data from said storage medium.

13. A machine-readable storage medium as claimed in claim 12 wherein said musical score displaying data for a music piece include a group of event data representative of note or musical score symbols of the music piece,

the data of the note information and the data of the timing information are included in normal event data of a note or musical score symbol, and

the data of said first attribute information and said second attribute information are imparted, as attribute event data, to normal event data of a corresponding note or musical score symbol.

14. A machine-readable storage medium as claimed in claim 12 wherein said musical score displaying data for a music piece include a group of event data representative of note or musical score symbols of the music piece,

the data of the note information and the data of the timing information are included in normal event data of a note or musical score symbol, and

the data of said first attribute information and said second attribute information are included in normal event data of a corresponding note or musical score symbol.

15. A musical score display apparatus for displaying a musical score on the basis of musical score displaying data, said musical score displaying data comprising:

data of note or musical score information indicative of a note or musical score symbol to be visually displayed;

data of timing information indicative of a horizontal display position on a musical score where the note or musical score symbol is to be placed; and



data of attribute information for controlling a display position of the note or musical score symbol, said attribute information including at least one of first attribute information designating a horizontal offset display position relative to the display position indicated by the timing information and second attribute information designating a vertical offset display position relative to a specific display position,

wherein said musical score display apparatus comprises:

a display section; and

a processing section coupled with said display section and adapted to:

determine a note or musical score symbol to be displayed on a musical score, in accordance with the note or musical score information;

determine a horizontal display position on the musical score where the note or musical score symbol is to be placed, in accordance with the timing information; and

perform at least one of a process for, in accordance with said first attribute information, changing the horizontal display position of the note or musical score symbol from the determined display position and a process for, in accordance with said second attribute information, vertically varying the display position of the note or musical score symbol,

wherein said display section displays the note or musical score symbol on a musical staff in accordance with the process performed by said processing section.

16. A computer program containing a group of instructions for causing a computer to perform musical score display processing based on musical score displaying data, said musical score displaying data comprising:

data of note or musical score information indicative of a note or musical score symbol to be visually displayed;

data of timing information indicative of a horizontal display position on a musical score where the note or musical score symbol is to be placed; and

data of attribute information for controlling a display position of the note or musical score symbol, said attribute information including at least one of first attribute information designating a horizontal offset display position relative to the display position indicated by the timing information and second attribute information designating a vertical offset display position relative to a specific display position,

wherein said musical score display processing comprises:

a step of determining a note or musical score symbol to be displayed on a musical score, in accordance with the note or musical score information;

a step of determining a horizontal display position on the musical score where the note or musical score symbol is to be placed, in accordance with the timing information; and

a step of performing at least one of a process for, in accordance with said first attribute information, changing the horizontal display

position of the note or musical score symbol from the determined display position and a process for, in accordance with said second attribute information, vertically varying the display position of the note or musical score symbol.

17. A computer program as claimed in claim 16 wherein said musical score display processing further comprises a step of, in accordance with determination or process by individual ones of said steps, displaying the note or musical score symbol on a musical stave visually shown on a display section.